

Title (en)

ELECTRICAL SYSTEM AND METHOD FOR OPERATING AN ELECTRICAL SYSTEM

Title (de)

BORDNETZ UND VERFAHREN ZUM BETRIEB EINES BORDNETZES

Title (fr)

RÉSEAU DE BORD ET PROCÉDÉ POUR FAIRE FONCTIONNER UN RÉSEAU DE BORD

Publication

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Application

EP 15701751 A 20150123

Priority

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- EP 2015051325 W 20150123

Abstract (en)

[origin: WO2015110566A1] The invention relates to an electrical system (1) for a vehicle, comprising a low-voltage sub-network (21) for at least one low-voltage load (29) and comprising a high-voltage sub-network (20) for at least one high-voltage load (25) and an electric generator (23). The high-voltage sub-network (20) has a battery (40) which is designed to generate a high-voltage and output same to the high-voltage sub-network (20) and which has at least two battery units (41) with individual voltage taps (42). The high-voltage sub-network (20) is connected to the low-voltage sub-network (21) via a coupling unit (33) which is designed to draw energy from the high-voltage sub-network (20) and supply said energy to the low-voltage sub-network (21). The coupling unit (33) is designed to selectively connect the battery units (41) to the low-voltage sub-network (21). The invention further relates to a method for operating an electrical system, to a motor vehicle, and to a battery management system and a computer program which are designed to carry out the method.

IPC 8 full level

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Citation (search report)

See references of WO 2015110566A1

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